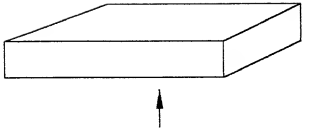
IBM 4758 PCI Cryptographic Coprocessor



SYMBOLIC REPRESENTATION OF THE
IBM 4758 PCI CRYPTOGRAPHIC COPROCESS
IN FURTHER FIGURES.

FIG.1

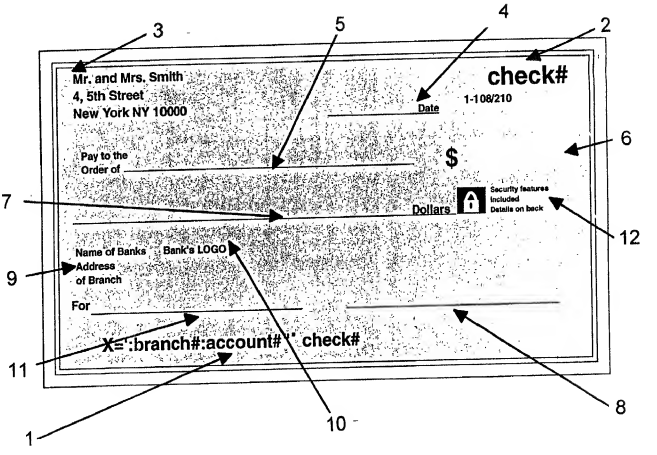

Mr. and Mrs. Smith
4, 5th Street
New York NY 10000
check#
1-108/210
Date
Pay to the Order of
$
Dollars
Security features Included Details on back
Name of Banks
Bank's LOGO
Address of Branch
For
X=':branch#:account#'' check#
1
2
3
4
5
6
7
8
9
10
11
12

FIG.2

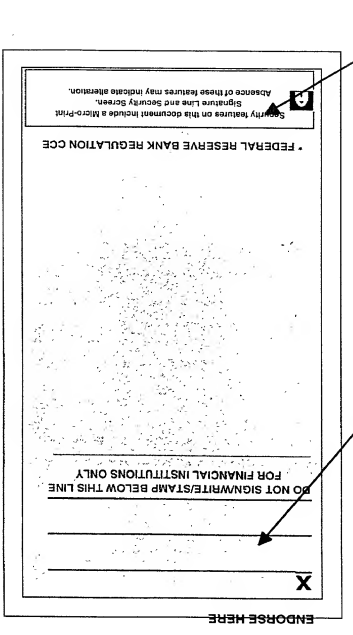

14
13
ENDORSE HERE
X
DO NOT SIGN/WRITE/STAMP BELOW THIS LINE
FOR FINANCIAL INSTITUTIONS ONLY
• FEDERAL RESERVE BANK REGULATION CCE
Security features on this document include a Micro-Print
Signature Line and Security Screen.
Absence of these features may indicate alteration.

FIG.3

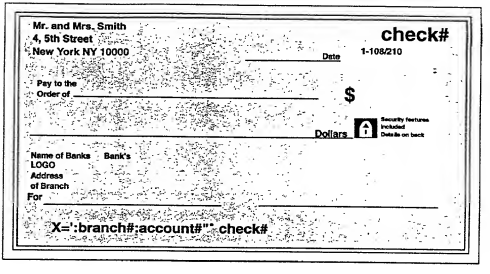

Mr. and Mrs. Smith
4, 5th Street
New York NY 10000
check#
Date
1-108/210
Pay to the
Order of
$
Dollars
Security features
included
Details on back
Name of Banks Bank's
LOGO
Address
of Branch
For
X=":branch#:account#":check#

FIG.4

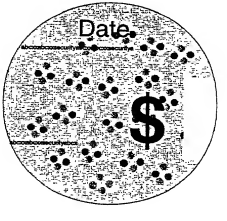

Date
$

FIG.4A

SEC_k(X)
550
520
530
540
510
X=BRANCH#; ACCOUNT#; CHECK#
560
SIGN_k(X)
570
SIGN_K,0(X)

FIG.5

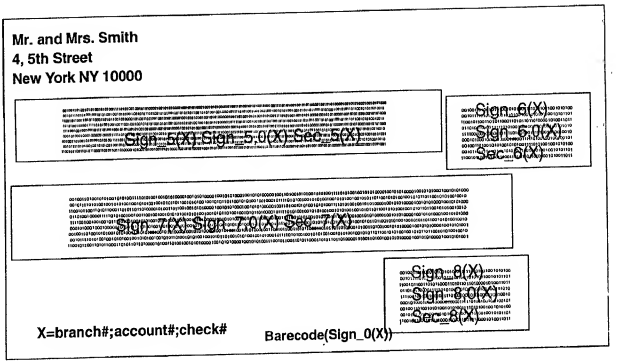

Mr. and Mrs. Smith
4, 5th Street
New York NY 10000
Sign_5(X);Sign_5;0(X);Sec_5(X)
Sign_6(X)
Sign_6;0(X)
Sec_6(X)
Sign_7(X);Sign_7;0(X);Sec_7(X)
Sign_8(X)
Sign_8;0(X)
Sec_8(X)
X=branch#;account#;check#
Barecode(Sign_0(X))

FIG.6

FIG.7

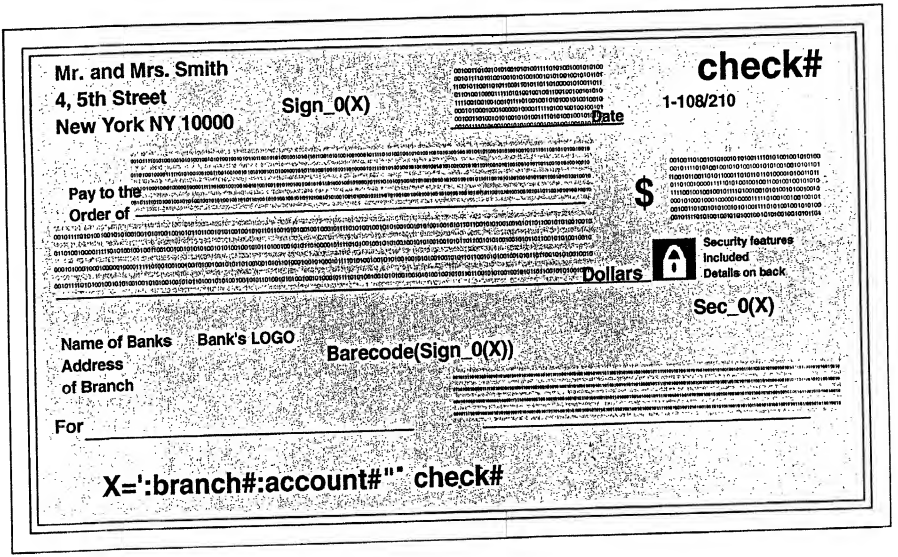

Mr. and Mrs. Smith
4, 5th Street
New York NY 10000
Sign_0(X)
check#
1-108/210
Date
Pay to the
Order of
$
Dollars
Security features
Included
Details on back
Sec_0(X)
Name of Banks
Address
of Branch
Bank's LOGO
Barecode(Sign_0(X))
For
X=':branch#:account#" check#

FIG.8

ENDORSE HERE
X
DO NOT SIGN/WRITE/STAMP BELOW THIS LINE
FOR FINANCIAL INSTITUTIONS ONLY
Barecode(Sign _0(X))
X=branch#;account#;check# Sign _0(X)
* FEDERAL RESERVE BANK REGULATION CCE
Security features on this document include a Micro-Print
Signature Line and Security Screen.
Absence of these features may indicate alteration.

FIG.9

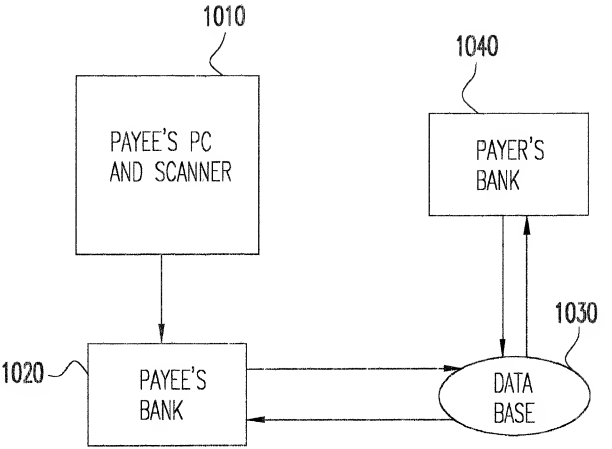

1010
PAYEE'S PC
AND SCANNER
1040
PAYER'S
BANK
1030
1020
PAYEE'S
BANK
DATA
BASE

FIG.10

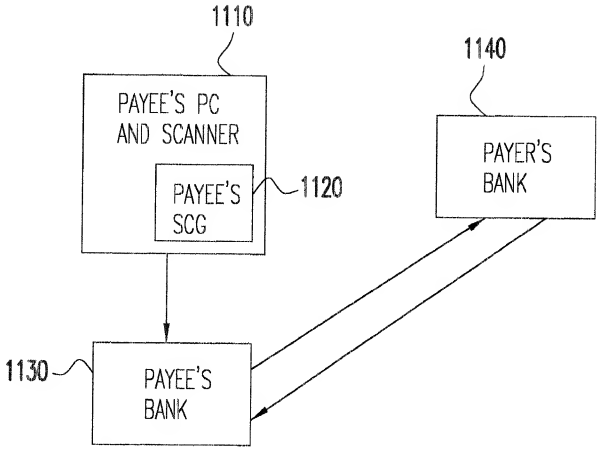

1110
PAYEE'S PC
AND SCANNER
PAYEE'S
SCG
1120
1140
PAYER'S
BANK
1130
PAYEE'S
BANK

FIG.11